# Chang-Biau Yang

List of Publications by Year
in descending order



| 37 | 330 | 687363 13 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 38 | 38 | 38 | 185 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Flexible Dynamic Time Warping for Time Series Classification. Procedia Computer Science, 2015, 51, 2838-2842. | 2.0 | 23 |
| 2 | Dynamic programming algorithms for the mosaic longest common subsequence problem. Information Processing Letters, 2007, 102, 99-103. | 0.6 | 22 |
| 3 | A DNA solution of SAT problem by a modified sticker model. BioSystems, 2005, 81, 1-9. | 2.0 | 21 |
| 4 | Efficient algorithms for the longest common subsequence problem with sequential substring constraints. Journal of Complexity, 2013, 29, 44-52. | 1.3 | 21 |
| 5 | Shortest path routing and fault-tolerant routing on de Bruijn networks. Networks, 2000, 35, 207-215. | 2.7 | 20 |
| 6 | AN ALGORITHM AND APPLICATIONS TO SEQUENCE ALIGNMENT WITH WEIGHTED CONSTRAINTS. International Journal of Foundations of Computer Science, 2010, 21, 51-59. | 1.1 | 20 |
| 7 | A fast and simple algorithm for computing the longest common subsequence of run-length encoded strings. Information Processing Letters, 2008, 108, 360-364. | 0.6 | 19 |
| 8 | Efficient algorithms for the block edit problems. Information and Computation, 2010, 208, 221-229. | 0.7 | 19 |
| 9 | Multiperiod portfolio investment using stochastic programming with conditional value at risk. Computers and Operations Research, 2017, 81, 305-321. | 4.0 | 19 |
| 10 | Efficient algorithms for finding interleaving relationship between sequences. Information Processing Letters, 2008, 105, 188-193. | 0.6 | 17 |
| 11 | Fault Tolerance on Star Graphs. International Journal of Foundations of Computer Science, 1997, 08, 127-142. | 1.1 | 14 |
| 12 | Genetic algorithms for the investment of the mutual fund with global trend indicator. Expert Systems With Applications, 2011, 38, 1697-1701. | 7.6 | 14 |
| 13 | The trading on the mutual funds by gene expression programming with Sortino ratio. Applied Soft Computing Journal, 2014, 15, 219-230. | 7.2 | 14 |
| 14 | Efficient merged longest common subsequence algorithms for similar sequences. Theoretical Computer Science, 2018, 708, 75-90. | 0.9 | 14 |
| 15 | Solving satisfiability problems using a novel microarray-based DNA computer. BioSystems, 2007, 90, 242-252. | 2.0 | 13 |
| 16 | Taiwan Stock Investment with Gene Expression Programming. Procedia Computer Science, 2014, 35, 137-146. | 2.0 | 11 |
| 17 | Fast algorithms for computing the constrained LCS of run-length encoded strings. Theoretical Computer Science, 2012, 432, 1-9. | 0.9 | 7 |
| 18 | Computational Study of Estrogen Receptor-Alpha Antagonist with Three-Dimensional Quantitative Structure-Activity Relationship, Support Vector Regression, and Linear Regression Methods. International Journal of Medicinal Chemistry, 2013, 2013, 1-13. | 2.2 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fault-tolerant routing on the star graph with safety vectors. , 0, , . | | 5 |
| 20 | Routing algorithms on the bus-based hypercube network. IEEE Transactions on Parallel and Distributed Systems, 2005, 16, 335-348. | 5.6 | 5 |
| 21 | AN ADAPTIVE HEURISTIC ALGORITHM WITH THE PROBABILISTIC SAFETY VECTOR FOR FAULT-TOLERANT ROUTING ON THE (n, k)-STAR GRAPH. International Journal of Foundations of Computer Science, 2014, 25, 723-743. | 1.1 | 5 |
| 22 | Efficient polynomial-time algorithms for the constrained LCS problem with strings exclusion. Journal of Combinatorial Optimization, 2014, 28, 800-813. | 1.3 | 5 |
| 23 | A Fault-Tolerant Routing Algorithm with Safety Vectors on the (n, k)-Star Graph. , 2009, , . | | 3 |
| 24 | 1-Fair Alternator Designs for the de Bruijn Network. , 2006, , . | | 2 |
| 25 | Prediction of Protein Essentiality by the Support Vector Machine with Statistical Tests. , 2012, , . | | 2 |
| 26 | A new efficient indexing algorithm for one-dimensional real scaled patterns. Journal of Computer and System Sciences, 2012, 78, 273-278. | 1.2 | 2 |
| 27 | Finding the gapped longest common subsequence by incremental suffix maximum queries. Information and Computation, 2014, 237, 95-100. | 0.7 | 2 |
| 28 | A diagonal-based algorithm for the longest common increasing subsequence problem. Theoretical Computer Science, 2020, 815, 69-78. | 0.9 | 2 |
| 29 | Tree edge decomposition with an application to minimum ultrametric tree approximation. Journal of Combinatorial Optimization, 2006, 12, 217-230. | 1.3 | 1 |
| 30 | Efficient indexing algorithms for one-dimensional discretely-scaled strings. Information Processing Letters, 2010, 110, 730-734. | 0.6 | 1 |
| 31 | The Generalized Definitions of the Two-Dimensional Largest Common Substructure Problems. Algorithmica, 2020, 82, 2039-2062. | 1.3 | 1 |
| 32 | Broadcasting on uni-directional hypercubes. , 0, , . | | 0 |
| 33 | Efficient Algorithms for the Longest Common Subsequence Problem with Sequential Substring Constraints. , 2011, , . | | 0 |
| 34 | The indexing for one-dimensional proportionally-scaled strings. Information Processing Letters, 2011, 111, 318-322. | 0.6 | 0 |
| 35 | Trading Decision of Taiwan Stocks with the Help of United States Stock Market. Procedia Computer Science, 2018, 126, 87-96. | 2.0 | 0 |
| 36 | An efficient algorithm for computing the edit distance with non-overlapping inversions. , 2019, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | An efficient algorithm for the longest common palindromic subsequence problem. Theoretical Computer Science, 2022, , . | 0.9 | 0 |